

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	416/228.ccls. and moten	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 09:19
L2	8	416/228.ccls. and molten	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 09:20
L3	660	(sweeny or gilbert or thut).in. and molten	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 09:21
L4	88	3 and impeller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 09:21
S1	8449	pump same molten	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/12/20 14:42
S2	189	"1" and metal and impeller and shaft and motor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/12/20 14:42
S3	5572	pump same molten	USOCR	OR	ON	2002/12/20 14:42
S4	77	"3" and metal and impeller and shaft and motor	USOCR	OR	ON	2002/12/20 14:43
S5	843	(415/121.2).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/07 10:46
S6	180	(416/223b).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/18 16:29

## EAST Search History

S7	431	(416/228).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/18 16:32
S8	225	molten same metal same pump same impeller	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2002/12/18 16:33
S9	2	("5944496").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/03 10:37
S10	1286341	pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 15:19
S11	465757	molten	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 15:19
S12	4385656	metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 15:20
S13	120876	S11 adj S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 15:20
S14	109122	impeller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 15:20
S15	6248414	hole or opening or aperture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 15:33

## EAST Search History

S16	1573276	particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 15:33
S17	3349265	particle or solid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 15:34
S18	954	S10 and S11 and S12 and S14 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 15:35
S19	485	S18 and shaft	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 15:35
S20	82	S19 and (impeller same (taper or conical or curve\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 15:36

## EAST Search History

S21	173	("0485906"   "0761730"   "1037659"   "1196758"   "1988875"   "2054923"   "2072650"   "2173377"   "2273214"   "2294135"   "2300688"   "2304849"   "2368962"   "2383424"   "2464936"   "2493467"   "2528208"   "2528210"   "2626086"   "2714354"   "2775348"   "2779574"   "2808782"   "2824520"   "2918876"   "2948524"   "2978885"   "3048384"   "3070393"   "3092030"   "3227547"   "3255702"   "3276758"   "3291473"   "3459133"   "3532445"   "3573895"   "3575525"   "3608621"   "3650513"   "3650516"   "3690621"   "3719436"   "3759635"   "3767382"   "3776660"   "3791813"   "3792848"   "3801003"   "3814396"   "3836280"   "3839019"   "3861660"   "3862839"   "3870511"   "3871872"   "3873305"   "3887172"   "3921473"   "3953552"   "3955970"   "3982913"   "3984234"   "3997336"   "4047938"   "4052199"   "4059251"   "4088502"   "4116659"   "4128415"   "4169584"   "4188287"   "4283357"   "4287137"   "4297214"   "4322245"   "4351514"   "4410299"   "4425232"   "4426068"   "4454078"   "4470846"   "4486228"   "4491474"   "4518424"   "4592658"   "4598899"   "4607959"   "4664592"   "4673434"   "4717540"   "4747583"   "4786230"   "4842227"   "4898367"   "4930986"   "4940384"   "4954167"   "4960163"   "5025198"   "5028211"   "5058865"   "5078572"   "5088893"   "5092821"   "5098134"   "5119977"   "5131632"   "5143357"   "5160693"   "5165858"   "5177035"   "5181828"   "5192193"   "5203681"   "5213468"   "5268020"   "5294245"   "5308045"   "5310412"   "5330328"   "5364450"   "5366207"   "5421562"   "5435960").PN. OR ("5462580"   "5462581"   "5470201"   "5558505"   "5586863"   "5587289"   "5597289"   "5634770"   "5685701"   "5785494"   "5842832").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/06 15:49
-----	-----	--	------------------------------	----	----	------------------

## EAST Search History

S22	5	("3873305"   "3997336"   "4088502"   "4128415"   "4322245").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/06 16:09
S23	3	("2660525"   "3997336").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/06 16:18
S24	1286661	pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:46
S25	109147	impeller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:46
S26	3350338	particle or solid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:46
S27	16456	S24 and S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:47
S28	10152	S27 and shaft	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:47
S29	7404	S28 and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:49
S30	226	S29 and (impeller same taper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 08:40

## EAST Search History

S31	11	("0776669"   "2063738"   "2960356"   "4428587"   "4531746"   "4872690"   "4928979"   "5167418").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 11:12
S32	1	("5143357").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 11:21
S33	7	("3984234"   "3997336"   "4128415"   "4322245"   "4486228"   "4518424"   "4598899").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 13:20

## EAST Search History

S34	189	("0506572"   "0585188"   "1100475"   "1454967"   "1518501" "1522765"   "1526851"   "1673594"   "1896201"   "2038221" "2280979"   "2290961"   "2488447"   "2515478"   "2566892" "2677609"   "2698583"   "2787873"   "2808782"   "2821472" "2832292"   "2865618"   "2901677"   "2948524"   "2978885" "2984524"   "2987885"   "3048384"   "3070393"   "3092030" "3227547"   "3251676"   "3255702"   "3272619"   "3289473" "3291473"   "3400923"   "3459346"   "3487805"   "3512762" "3575525"   "3618917"   "3650730"   "3689048"   "3715112" "3743263"   "3743500"   "3753690"   "3759635"   "3767382" "3785632"   "3814400"   "3824042"   "3836280"   "3839019" "3871872"   "3873305"   "3886992"   "3915694"   "3954134" "3961778"   "3972709"   "3984234"   "3985000"   "3997336" "4018598"   "4052199"   "4128415"   "4169584"   "4286985" "4322245"   "4351514"   "4360314"   "4370096"   "4372541" "4392888"   "4410299"   "4456424"   "4504392"   "4537624" "4537625"   "4556419"   "4557766"   "4586845"   "4598899" "4600222"   "4609442"   "4611790"   "4634105"   "4640666" "4696703"   "4701226"   "4714371"   "4717540"   "4742428" "4770701"   "4786230"   "4802656"   "4804168"   "4810314" "4834573"   "4842227"   "4844425"   "4851296"   "4859413" "4884786"   "4898367"   "4923770"   "4930986"   "4931091" "4940214"   "4940384"   "4954167"   "4973433"   "4989736" "5028211"   "5078572"   "5092821"   "5098134"   "5131632" "5143357"   "5145322"   "5152631"   "5165858"   "5203681").PN. OR ("5209641"   "5286163"   "5308045"   "5310412" "5330328"   "5364078"   "5388633"   "5407294"   "5454423" "5470201"   "5484265"   "5495746"   "5558501"   "5558505" "5586863"   "5634770"   "5662725"   "5678807"   "5685701" "5716195"   "5735035"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 13:38
2/22/06 9:40:47 AM C:\Documents and Settings\mouwen4\My Documents\FAST Workspaces\10047198.wsp						Page 7

## EAST Search History

S35	1287190	pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 08:40
S36	109189	impeller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 08:40
S37	3352013	particle or solid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 08:40
S38	16467	S35 and S36 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 08:40
S39	10159	S38 and shaft	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 08:40
S40	7409	S39 and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 08:40
S41	3543	S40 and (S36 same S37)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 08:41
S42	1027	S41 and (S37 same (pass or go\$3) adj through)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 08:43
S43	1	("6464458").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 08:47



## EAST Search History

S44	35	("1720863"   "2114780"   "2158717"   "2732032"   "2744721"   "3289608"   "3512651"   "3944380"   "4047912"   "4066552"   "4072481"   "4148735"   "4155681"   "4241787"   "4390061"   "4588351"   "4971518"   "5000769"   "5277232"   "5368735"   "5482117"   "5662167"   "6033567"   "6167960"   "6189613"   "6216788"   "6269880"   "RE35454").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 08:52
-----	----	--	------------------------------	----	----	------------------

## EAST Search History

S45	189	("0506572"   "0585188"   "1100475"   "1454967"   "1518501"   "1522765"   "1526851"   "1673594"   "1896201"   "2038221"   "2280979"   "2290961"   "2488447"   "2515478"   "2566892"   "2677609"   "2698583"   "2787873"   "2808782"   "2821472"   "2832292"   "2865618"   "2901677"   "2948524"   "2978885"   "2984524"   "2987885"   "3048384"   "3070393"   "3092030"   "3227547"   "3251676"   "3255702"   "3272619"   "3289473"   "3291473"   "3400923"   "3459346"   "3487805"   "3512762"   "3575525"   "3618917"   "3650730"   "3689048"   "3715112"   "3743263"   "3743500"   "3753690"   "3759635"   "3767382"   "3785632"   "3814400"   "3824042"   "3836280"   "3839019"   "3871872"   "3873305"   "3886992"   "3915694"   "3954134"   "3961778"   "3972709"   "3984234"   "3985000"   "3997336"   "4018598"   "4052199"   "4128415"   "4169584"   "4286985"   "4322245"   "4351514"   "4360314"   "4370096"   "4372541"   "4392888"   "4410299"   "4456424"   "4504392"   "4537624"   "4537625"   "4556419"   "4557766"   "4586845"   "4598899"   "4600222"   "4609442"   "4611790"   "4634105"   "4640666"   "4696703"   "4701226"   "4714371"   "4717540"   "4742428"   "4770701"   "4786230"   "4802656"   "4804168"   "4810314"   "4834573"   "4842227"   "4844425"   "4851296"   "4859413"   "4884786"   "4898367"   "4923770"   "4930986"   "4931091"   "4940214"   "4940384"   "4954167"   "4973433"   "4989736"   "5028211"   "5078572"   "5092821"   "5098134"   "5131632"   "5143357"   "5145322"   "5152631"   "5165858"   "5203681").PN. OR ("5209641"   "5286163"   "5308045"   "5310412"   "5330328"   "5364078"   "5388633"   "5407294"   "5454423"   "5470201"   "5484265"   "5495746"   "5558501"   "5558505"   "5586863"   "5634770"   "5662725"   "5678807"   "5685701"   "5716105"   "5735035"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/21 13:59
2/22/06 9:40:47 AM C:\Documents and Settings\mholiver4\My Documents\FAST Workspaces\10047198.wsp						Page 10

## EAST Search History

S46	7	("4017211"   "4770604"   "4776758"   "4826398"   "4890980"   "4936744"   "4981413").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/21 14:03
S47	13	("2483335"   "3610590"   "3945761"   "4273562"   "4410337"   "4435193"   "4531892"   "4619736"   "4621507"   "4637779"   "4650342"   "4675033").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/21 14:04
S48	14	("0724488"   "2460757"   "2875897"   "3588280"   "3904714"   "3947148"   "3973866"   "3984001"   "4378093"   "4456424").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/21 14:08
S49	18	("3227547"   "3278295"   "3554518"   "3743263"   "3767382"   "3839019"   "3849119"   "3870511"   "3972709"   "4040610"   "4047938"   "4195823"   "4372541"   "4401295"   "4426068"   "4443004").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/21 14:29
S50	11	("0776669"   "2063738"   "2960356"   "4428587"   "4531746"   "4872690"   "4928979"   "5167418").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/21 16:01
S51	8	((("5470201") or ("5634770") or ("5944496") or ("6468039")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/21 16:01
S52	7	("3048384"   "5160693"   "5540550"   "5634770"   "6019576"   "6254340").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/21 16:03